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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,995	06/14/2006	Shigeki Satou	890050.541USPC	6981
500 7590 09/11/2008 SEED INTELLECTUAL PROPERTY LAW GROUP PLLC 701 FIFTH AVE SUITE 5400 SEATTLE, WA 98104				
EXAMINER TADAYYON ESLAMI, TABASSOM				
ART UNIT		PAPER NUMBER		
1792				
MAIL DATE		DELIVERY MODE		
09/11/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/582,995

Applicant(s)

SATOU ET AL.

ExaminerTABASSOM TADAYYON
ESLAMI**Art Unit**

1792

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 05/04/07, 06/14/06
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

1. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yukie Nakano et al (U. S. Patent Application: 2002/0075632, here after 632), further in view of Isao Takada et al (Japanese Patent: 08111346, here after Takada).

632 teaches a method of making a multi-layered capacitors [abstract lines 1-2] by applying a dielectric paste [0051] (as spacer layer between the electrodes, fig. 1), where the dielectric paste containing binder such as polyvinyl butyral (a resin) [0056, lines 1-5]. 632 further teaches the paste comprising a solvent [0056 line 12]. 632 does not teach the solvent is citronellol. Takada teaches, a paste for making internal electrodes of multi layered ceramic capacitors containing a butyral (a resin) system resin as a binder and at least one solvent [means, lines 6-12], Takada further teaches the solvent is selected from a group consisting of citronellol [0008 line 7]. Therefore it would have been obvious to one of ordinary skill in the art at the time of invention was made to have to a paste for making dielectric paste that 632 teaches which is comprising butyral resin and a solvent where solvent is citranellool as Takada teaches,

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because Tadaka teaches it is suitable to have the butyral resin with citronellol solvent for making multi-layered capacitors.

2. Claim 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yukie Nakano et al (U. S. Patent Application: 2002/0075632, here after 632), and Isao Takada et al (Japanese Patent: 08111346, here after Takada), further in view of Michio Kobayashi (Japanese Patent: 09124771, here after Kobayashi).

Claims 2-4 are rejected. 632 and Tanaka teach the limitation of claim 1 as discussed above. Neither of them specifically teaches about the degree of polymerization of the butyral system. Kobayashi teaches butyral resin system to improve the adhesiveness in a wide temperature range [problem to be solved], where the butyral resin has a degree of polymerization of 1500-2500 and degree of butyralization of mol 65% [solution, lines 1-6]. Therefore it would have been obvious to one of ordinary skill in the art at the time of invention was made to have to a paste for making electrode structure that 632 and Takada teach which is comprising butyral resin and the butyral resin is selected as Kobayashi teaches, because Kobayashi teaches the butyral resin system improves the adhesiveness in a wide temperature range.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TABASSOM TADAYYON ESLAMI whose telephone number is (571)270-1885. The examiner can normally be reached on 7:30-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Cleveland can be reached on 571-272-1418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tabassom T. Tadayyon-Eslami
Examiner
Art Unit 1792

T.T

/Michael Cleveland/

Supervisory Patent Examiner, Art Unit 1792